XMP 8 micro SERIES

Small, Compact, Complete.

MESSUNG

AUTOMATION PEOPLE

XMP 8 micro SERIES

ACTUAL SIZE

THE ALL ROUND MICRO

Messung Systems far-sighted vision has always provided innovative automation solutions. Its modern manufacturing facilities, latest technologies, experienced personnel, hi-tech research, nationwide sales, service network and training facilities result in products and services that give you a competitive edge.

The outstanding quality and reliability of XMP8 Micro PLC Series have been demonstrated in diverse industrial applications that constitute a large installation base. It integrates the benefits of small size controllers with the modularity of larger PLCs and has a wide range of basic configurations and expansion modules that allow more flexibility and easy selection.

Thus, Messung can truly be a perfect partner for every automation need.

SMALL in size

The MICRO although small has the power of big PLC's and is an economical alternative for application areas previously unattempted for automation.

COMPACT in design

Latest technologies as the Surface Mount Device-SMD and the Programmable Logic Device-PLD have primarily contributed to provide the power of the bigger controllers in the size of a micro-modular system.

COMPLETE in features

Integrated functionality - pulse catch, high speed counter, frequency measurement, pulse output help to realize high speed and time critical applications.

Large number of flags, data registers, timers / counters, program memory (1 K steps) supported by Real time Clock and data retention facility makes it suitable for even bigger applications.

Easily visible 4 digit alphanumeric LED display permits easy monitoring and setting of parameters.

Quality *Products*

MICRO

MMI CONNECTIVITY

Efficacy increases with the combination of Micro PLC and Man Machine Interface. It provides effective dialogue between the machine and operator. The accessibility to Parameters and Diagnostic information in PLC ensures optimal utilisation of the machine. The benefits include shorter start-up time, simple and also improved productivity.
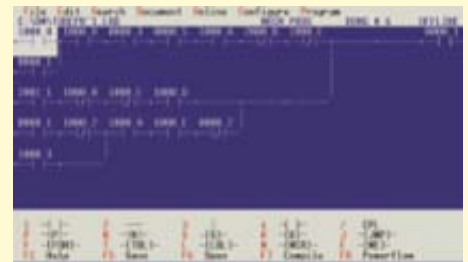
DOXMINI

A powerful programming and documentation DOS based software.
Intuitive user interface reduces development time. Detail commenting facility help understand complex ladder programs.
It features -
● Context sensitive help at all levels
● Powerflow mode for easy debugging
● Documentation in the from of Ladder diagram, cross-reference and IO assignment.

PG 308

A compact, portable PG308-Hand Held programming terminal is perfect for testing on shop floor. It's special features are
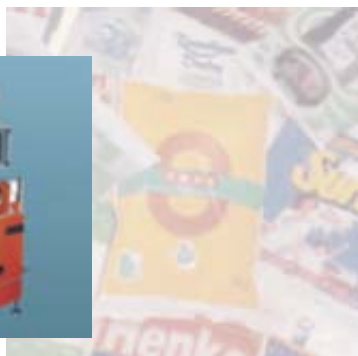● Elegant plastic housing with 16x2 LCD & rubber keys
● Battery back-up to retain program
● Off-line programming capability
● Facilitates to program, monitor and debug ladder program

SMALL YET CRITICAL APPLICATIONS

Simple and affordable XMP8 Micro series of controllers are equipped with special built-in features that simplify critical applications.

Pulse output provides accurate output control

High speed counter realizes time critical control
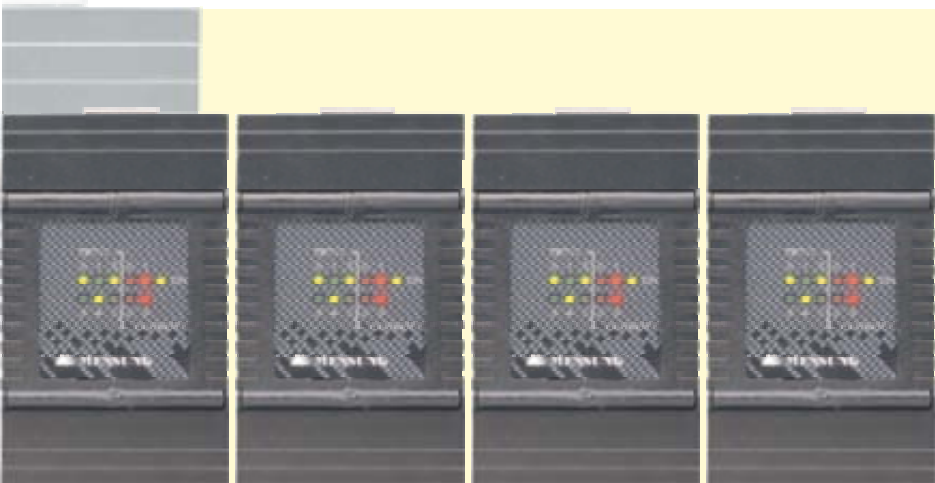
Pulse Catch input recognizes critical event

Display for easy monitoring of production parameters and fault messages

Keyboard - display for easy setting of parameters

RTC permits real time control

Expansion modules - higher capacity at an affordable price

EXPANSION
Discrete & analog

The small and complete Micro is complemented by a variety of expansion units both discrete and analog that tailors a control system to exact requirement in a cost and space effective way. The viability of Micro saves training and engineering costs for a range of applications.

XMP 8 micro SERIES

Over 5000 installations in diverse Industrial applications...

Packing Industry

Pharma Industry

Plastic Industry

Utilities

TECHNICAL SPECIFICATIONS

GENERAL SPECIFICATIONS

IO Capacity	
Basic	14, 20, 28
Maximum	68 max
Flags	512 (Retentive)
Registers	512 (Retentive) Unlimited constant words
Timers	On / Off delay, Re-triggerable Monoshot with 0.01, 0.1, 1 sec resolution
Counters	Up, Down, Up/Down
Scan time	7 msec / 1 K binary Statements
Program memory	8K byte onboard EEPROM
Power Supply	
DC powered	24 V DC +20%, 800 mA
AC powered	90-265 V AC, 25 VA (Built-in Sensor supply 24 V DC, 125 mA)
Dimension	(w X h X d)
Base unit	150 X 100 X 75 mm
Expansion	60 X 100 X 75 mm
Mounting	DIN rail / Panel

SPECIAL FEATURES

Built-in	Counter	4 K Hz
	Pulse catch	500 sec (Minimum)
	Pulse output	1 msec resolution
	Frequency measurement	In steps of 10 msec
Optional	Display	4 character alphanumeric
	RTC	Date, Time, Day setting
	Keyboard	4 keys

DISCRETE I/O SPECIFICATIONS

Item	Voltage	Current	Isolation
DC Input	24 V DC ± 20%	7 mA	Optical
Relay Output	24-240 V AC	500 mA	Galvanic
DC OP Sink type			
Base Unit	24 V DC ± 20%	100 mA	Optical
Expansion		500 mA	

ANALOG I/O SPECIFICATIONS

Item	Channels	V / I	Resolution	Isolation
Analog input	4	0±10V DC/	12 bit	Non-isolated
Analog output	1	4-20 mA		

ORDERING INFORMATION

Unit	Type	IO Description	Relay Output	DC Output
Base	DC powered	8 Inputs / 6 Outputs	XMP8-11 BDIO 8/6R	XMP8-12 BDIO 8/6D
		12 Inputs / 8 Outputs	XMP8-11 BDIO 12/8R	XMP8-12 BDIO 12/8D
		16 Inputs / 12 Outputs	XMP8-11 BDIO 16/12R	XMP8-12 BDIO 16/12D
	AC powered	8 Inputs / 6 Outputs	XMP8-15 BDIO 8/6R	XMP8-16 BDIO 8/6D
		12 Inputs / 8 Outputs	XMP8-15 BDIO 12/8R	XMP8-16 BDIO 12/8D
		16 Inputs / 12 Outputs	XMP8-15 BDIO 16/12R	XMP8-16 BDIO 16/12D
Expansion	Discrete	8 Inputs	XMP8-10 EDIO 8/0	
		8 Outputs	XMP8-10 EDIO 0/8R	XMP8-10 EDIO 0/8D
		6 Inputs / 4 Outputs	XMP8-10 EDIO 6/4R	XMP8-10 EDIO 6/4D
	Analog	4 Inputs	XMP8-10 EAIO 4/0 1V	
		1 Outputs	XMP8-10 EAIO 0/1 1V	

Best Service and Technical Support at Your Finger Tips